



THE  
ONTARIO WATER RESOURCES  
COMMISSION  
A  
TABULATION  
OF THE  
WATER AND SEWAGE WORKS  
REQUIREMENTS  
IN THE  
PROVINCE OF ONTARIO

DIVISION OF SANITARY ENGINEERING

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Prepared by  
  
The Division of Sanitary Engineering  
  
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## INTRODUCTION

The Division of Sanitary Engineering has undertaken a study of the water and sewage works requirements in the Province of Ontario. The needs of the municipalities have been tabulated under various categories showing brief descriptions of the works required as well as estimates of cost. Certain of the larger municipalities, in which continuous programs are underway, as well as the small rural municipalities where there appears to be no immediate need, have been purposely excluded.

The cost estimates have been derived from various sources including consulting engineers' reports, capital budget forecasts and statistical cost data based on actual construction costs. In the majority of municipalities, the cost estimates are representative of the immediate requirements, whereas in some instances, the costs are applicable to the ultimate needs.

It is interesting to observe the number of municipalities in which limited financial resources have restricted the development of projects. In many cases, it has been necessary to compromise on treatment requirements and in some municipalities, the entire program has been deferred indefinitely.



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A  
SUMMARY  
OF THE  
WATER AND SEWAGE WORKS  
REQUIREMENTS  
IN THE  
PROVINCE OF ONTARIO

			<u>Population</u>	<u>Estimated Cost</u>
<u>WATER WORKS</u>				
(a)	Table I	- Municipalities with Existing Water Works Systems Requiring Improvements	683,190	\$ 34,870,000
(b)	Table II	- Municipalities Requiring Water Works Systems	<u>63,406</u>	<u>7,605,000</u>
		Total	746,596	\$ 42,475,000
(c)	Table III	- Municipalities (included above) Where Financial Limitations Restrict the Development of Water Works	64,113	\$ 5,570,000
<u>SEWAGE WORKS</u>				
(a)	Table IV	- Municipalities Requiring Sewers and Sewage Treatment	305,048	\$ 50,923,000
(b)	Table V	- Municipalities with Sewers and No Treatment	420,904	64,050,000
(c)	Table VI	- Municipal Sewage Treatment Plants That Are Overloaded or Inefficient	<u>880,730</u>	<u>43,874,000</u>
		Total	1,606,682	\$158,847,000
(d)	Table VII	- Municipalities (included above) Where Financial Limitations Restrict the Development of Sewage Works	375,294	\$ 52,167,000



TABLE I

MUNICIPALITIES WITH EXISTING WATER WORKS SYSTEMS  
REQUIRING IMPROVEMENTS

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Cost</u>
Alliston	Simcoe	3,057	Iron Treatment	\$ 100,000
Aurora	York	9,518	Iron Treatment	170,000
Beamsville	Lincoln	2,290	Additional Treatment	200,000
Bradford	Simcoe	2,374	Iron Treatment	100,000
Brampton	Peel	26,191	Iron Treatment	200,000
Bowmanville	Northumberland and Durham	7,532	Treatment Plant	200,000
Carleton Place	Lanark	4,771	Increased Treatment	150,000
Caledonia	Haldimand	2,355	New Source	1,000,000
Capreol	Sudbury	3,006	Iron Treatment	100,000
Chapleau Twp.	Sudbury	3,758	Treatment Plant	150,000
Chatham	Kent	30,116	Lake Supply	3,000,000
Cobourg	Northumberland and Durham	9,917	Storage and Treatment Plant	600,000
Deseronto	Hastings	1,775	Treatment; Distribution and Storage	200,000
Dryden	Kenora	6,230	Treatment	200,000
Elora	Wellington	1,489	Iron Treatment	100,000
Fort Erie	Welland	9,119	Treatment Plant	300,000
Fergus	Wellington	4,009	Iron Treatment	200,000
Geraldton	Thunder Bay	3,551	Additional Treatment	150,000
Georgetown	Halton	11,177	Iron Treatment	250,000
Gore Bay	Manitoulin	716	Improved Distribution	50,000
Hagersville	Haldimand	2,046	Lake Supply	600,000
Hearst	Cochrane	2,587	Treatment Plant	150,000
Lakefield	Peterborough	2,200	Plant Extension	100,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Cost</u>
London	Middlesex	171,116	Pipeline and Treatment Plant	\$14,600,000
Midland	Simcoe	8,917	New Supply	300,000
Moore Twp.	Lambton	540	New Source	-
Mountjoy Twp.	Cochrane	2,634	Treatment	250,000
Niagara-on-the-Lake	Niagara	2,770	Pretreatment	75,000
Owen Sound	Grey	17,877	Lake Supply and Distribution System	400,000
Peterborough	Peterborough	51,257	Treatment Extension	1,000,000
Plantagenet N. Twp.	Prescott and Russell	2,106	New Source Under Study	100,000
Port Perry	Ontario	2,353	Iron Treatment	150,000
Pembroke	Renfrew	16,223	Treatment Plant	500,000
Pickering Twp.	Ontario	7,000	Treatment Plant	600,000
Port Carling	Muskoka	501	Storage Distribution	100,000
Port Colborne	Welland	17,403	New Treatment and Distribution	1,000,000
Rainy River	Rainy River	1,133	Treatment	100,000
Sault Ste. Marie	Algoma	44,551	Pipeline or Filtration Plant	1,400,000
St. Catharines	Lincoln	85,732	10 M.G.D. Treatment Extension	2,000,000
Southampton	Bruce	1,814	Treatment	100,000
St. George	Brant	716	Revised System	170,000
Sarnia	Lambton	50,607	Treatment	2,000,000
Stayner	Simcoe	1,746	Improvements	-
Sturgeon Falls	Nipissing	6,651	Treatment Improvements	100,000
Timmins	Cochrane	28,985	Treatment Plant	1,000,000
Tillsonburg	Oxford	6,790	Elevated Storage Distribution	250,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Cost</u>
Victoria Harbour	Simcoe	1,047	New Pumphouse and Distribution System	\$ 75,000
Waterdown	Wentworth	1,937	New Supply	150,000
Wicksteed Twp.	Algoma	1,000	System Improvements	180,000



TABLE II

MUNICIPALITIES REQUIRING WATER WORKS SYSTEMS

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Cost</u>
Ailsa Craig	Middlesex	521	\$ 150,000
Alvinston	Lambton	644	160,000
Ayr	Waterloo	1,058	170,000
Athens	Leeds and Grenville	973	170,000
Black River Twp.	Cochrane	3,285	200,000
Bloomfield	Prince Edward	929	150,000
Barry's Bay	Renfrew	1,397	200,000
Beachville	Oxford	900	160,000
Burford Twp.	Brant	1,061	170,000
Bobcaygeon	Victoria	1,240	250,000
Brunetville		600	150,000
Bucke Twp.	Timiskaming	1,786	100,000
Cache Bay	Nipissing	790	250,000
Clarke Twp.	Northumberland and Durham	3,801	200,000
Casselman	Prescott and Russell	1,278	200,000
Drayton	Wellington	640	150,000
Dorchester N. Twp.	Middlesex	914	170,000
Ernestown Twp.	Lennox and Addington	5,956	200,000
Eganville	Renfrew	1,528	100,000
Eramosa Twp.	Wellington	857	160,000
Essa Twp.	Simcoe	1,180	170,000
Gloucester Twp.	Carleton	809	160,000
Gosfield N. Twp.	Essex	695	160,000
Gwillimbury E. Twp.	York	603	160,000
Grand Bend	Lambton	667	250,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Cost</u>
Haliburton	Haliburton	500	\$ 120,000
Himsworth N. Twp.	Parry Sound	1,991	200,000
Killaloe Station	Renfrew	896	160,000
Lancaster	Stormont, Dundas and Glengarry	572	160,000
Lanark	Lanark	868	250,000
Maxville	Stormont, Dundas and Glengarry	844	160,000
Neustadt	Grey	533	150,000
Osgoode Twp.	Carleton	590	160,000
Omeme	Victoria	817	160,000
Rayside Twp.	Hastings	4,947	200,000
Richmond	Carleton	1,268	200,000
Russell Twp.	Prescott and Russell	3,744	170,000
Red Lake Twp.	Kenora	2,666	350,000
Thamesville	Kent	981	275,000
Vankleek Hill	Prescott and Russell	1,708	250,000
Wilmot Twp.	Waterloo	5,692	120,000
Westport	Leeds and Grenville	677	160,000



TABLE III

MUNICIPALITIES WHERE FINANCIAL LIMITATIONS  
RESTRICT THE DEVELOPMENT OF WATER WORKS

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Cost</u>
Ailsa Craig	Middlesex	521	New System	\$ 150,000
Alvinston	Lambton	644	New System	160,000
Bloomfield	Prince Edward	729	New System	150,000
Bobcaygeon	Victoria	1,240	New System	250,000
Bucke Twp.	Timiskaming		New System	100,000
Cache Bay	Nipissing	790	New System	250,000
Casselman	Prescott and Russell	1,278	New System	200,000
Deseronto	Hastings	1,775	Treatment, etc.	200,000
Ernestown Twp.	Lennox and Addington	5,956	New System	200,000
Eganville	Renfrew	1,528	System Additions	100,000
Fort Erie	Welland	9,119	Treatment	300,000
Grand Bend	Lambton		New System	250,000
Hagersville	Haldimand	2,046	Lake Supply	600,000
Haliburton	Haliburton	500	New System	120,000
Lanark	Lanark	868	New System	250,000
Maxville	Stormont		New System	160,000
Mountjoy Twp.	Cochrane	2,634	Treatment	250,000
Southampton	Bruce	1,814	Treatment	100,000
Thamesville	Kent	981	New System	275,000
Timmins	Cochrane	28,935	Treatment	1,000,000
Vankleek Hill	Prescott and Russell	1,708	New System	250,000
Victoria Harbour	Simcoe	1,047	New Pumphouse	75,000
Wicksteed Twp.	Algoma	1,000	System Improvements	180,000



TABLE IV

MUNICIPALITIES REQUIRING SEWERS AND SEWAGE TREATMENT

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Alfred	Prescott & Russell	983	Sewers & Lagoon	\$ 260,000
Amherstburg	Essex	4,381	Sewers & Primary	900,000
Anderdon Twp.	Essex	3,804	Sewers & Connection to Amherstburg	240,000
Ayr	Waterloo	1,058	Sewers & Lagoon	350,000
Balmertown	Kenora	1,836	Sewers & Lagoon	350,000
Beaverton	Ontario	1,205	Sewers & Lagoon	530,000
Beeton	Simcoe	881	Sewers & Lagoon	263,000
Belle River	Essex	1,920	Sewers & Lagoon	300,000
Belmont	Elgin	734	Sewers & Lagoon	363,000
Bertie Twp.	Welland	8,567	Sewers & Secondary	1,100,000
Blenheim	Kent	3,331	Sewers & Lagoon	450,000
Blyth	Huron	745	Sewers & Lagoon	250,000
Bobcaygeon	Victoria	1,240	Sewers & Lagoon	263,000
Bridgeport	Waterloo	1,720	Sewers & Connection to Kitchener	610,000
Brighton	Northumberland and Durham	2,686	Sewer & Lagoon Extensions	460,000
Brussels	Huron	820	Sewers & Lagoon	260,000
Burk's Falls	Parry Sound	942	Sewers & Lagoon	270,000
Byron	Middlesex	3,343	Sewers only	315,000
Cannington	Ontario	1,056	Sewers & Lagoon	270,000
Casselman	Prescott & Russell	1,278	Sewers & Lagoon	270,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Cayuga	Haldimand	961	Sewers & Lagoon	\$ 260,000
Chesterville	Stormont, Dundas and Glengarry	1,275	Sewers & Lagoon	265,000
Clifford	Wellington	556	Sewers & Lagoon	200,000
Colborne	Northumberland and Durham	1,371	Sewer and Lagoon Extensions	100,000
Colchester S. Twp.	Essex	3,506	Sewers & Lagoon	386,000
Coldwater	Simcoe	775	Sewers & Lagoon	300,000
Creemore	Simcoe	884	Sewers & Lagoon	254,000
Deseronto	Hastings	1,775	Sewers & Lagoon	300,000
Drayton	Wellington	640	Sewers & Lagoon	240,000
Dresden	Kent	2,304	Sewers & Lagoon	335,000
Dumfries S. Twp.	Brant	3,248	Sewers & Lagoon	386,000
Dundalk	Grey	926	Sewers & Lagoon	250,000
Durham	Grey	2,450	Sewers & Aerated Lagoon	335,000
Dutton	Elgin	799	Sewers & Lagoon	300,000
Eganville	Renfrew	1,528	Sewers & Lagoon	280,000
Embrun	Prescott & Russell	1,110	Sewers & Lagoon	280,000
Emo	Rainy River	1,023	Sewers & Lagoon	175,000
Erin	Wellington	1,102	Sewers & Lagoon	260,000
Ernestown Twp.	Lennox & Addington	5,956	Sewers & Lagoon	425,000
Essex	Essex	3,494	Sewers & Lagoon	267,000
Fauquier Twp.	Cochrane	1,348	Sewers & Lagoon	270,000
Fenelon Falls	Victoria	1,272	Sewers & Lagoon	272,000
Flesherton	Grey	503	Sewers & Lagoon	200,000
Fonthill	Welland	2,572	Sewers & Lagoon	335,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Forest	Lambton	2,137	Sewers & Lagoon	\$ 330,000
Geraldton	Thunder Bay	3,551	Sewers & Lagoon	450,000
Glencoe	Middlesex	1,179	Sewers & Lagoon	490,000
Gloucester Twp.	Carleton	19,205	Secondary	1,000,000
Grand Bend	Lambton	667	Sewers & Lagoon	415,000
Grand Valley	Dufferin	722	Sewers & Lagoon	250,000
Grimsby N. Twp.	Lincoln	6,212	Sewers & Lagoon	900,000
Harriston	Wellington	1,655	Lagoon	140,000
Harrow	Essex	1,756	Lagoon	292,000
Hastings	Northumberland and Durham	883	Sewers & Secondary	310,000
Havelock	Haliburton	1,277	Sewers & Lagoon	263,000
Hensall	Huron	949	Sewers & Lagoon	260,000
Hornepayne	Algoma	900	Sewers & Lagoon	263,000
Humberstone Twp.	Welland	4,611	Sewers & Connection to Welland	450,000
Ignace Twp.	Kenora	10,996	Sewers & Secondary	1,300,000
Jarvis	Haldimand	762	Sewers & Lagoon	255,000
Kincardine	Bruce	2,875	Sewers & Lagoon	490,000
Lakefield	Peterborough	2,200	Sewers & Lagoon	440,000
La Salle	Essex	2,500	Sewers & Secondary	472,000
Little Current	Manitoulin	1,554	Extension of Sewers and Lagoon	328,000
Longlac Twp.	Thunder Bay	1,213	Sewers and Lagoon	320,000
L'Orignal	Prescott & Russell	1,289	Sewers & Lagoon	283,000
Lucan	Middlesex	950	Sewers & Lagoon	260,000
Lucknow	Bruce	1,066	Sewers & Lagoon	260,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Malden Twp.	Essex	2,320	Sewers & Connection to Amherstburg	\$ 220,000
Markdale	Grey	1,111	Sewers & Lagoon	268,000
Marmora	Hastings	1,308	Sewers & Lagoon	272,000
Massey	Sudbury	1,317	Sewers & Lagoon	265,000
Maxville	Stormont, Dundas and Glengarry	844	Sewers & Lagoon	258,000
Merrickville	Leeds & Grenville	890	Sewers & Lagoon	200,000
Mildmay	Bruce	875	Sewers & Lagoon	258,000
Millbrook	Northumberland and Durham	863	Sewers & Lagoon	258,000
Milverton	Perth	1,122	Sewers & Lagoon	260,000
Monaghan N. Twp.	Peterborough	815	Sewers & Lagoon	240,000
Mountjoy Twp.	Cochrane	2,634	Sewers & Connection to Timmins	275,000
Neustadt	Grey	533	Sewers & Lagoon	200,000
Norwich	Oxford	1,662	Sewers & Lagoon	430,000
Norwood	Peterborough	1,093	Sewers & Lagoon	260,000
Paisley	Bruce	744	Sewers & Lagoon	255,000
Pakenham Twp.	Lanark	1,163	Sewers & Lagoon	200,000
Parkhill	Middlesex	1,089	Sewers & Lagoon	265,000
Petawawa	Renfrew	1,857	Sewers & Primary	385,000
Pickering Village	Ontario	1,816	Sewers & Secondary	580,000
Plantagenet Twps. North & South	Prescott & Russell	923	Sewers & Lagoon	258,000
Port Perry	Ontario	2,353	Sewers & Lagoon	335,000
Port Stanley	Elgin	1,436	Sewers & Lagoon	575,000
Rayside Twp.	Sudbury	5,208	Sewers & Lagoon	535,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Red Lake Twp.	Kenora	2,666	Sewers & Lagoon	\$ 350,000
Richmond	Carleton	1,268	Sewers & Lagoon	272,000
Ridgetown	Kent	2,690	Sewers & Lagoon	760,000
Rockland	Prescott & Russell	3,470	Sewers & Lagoon	226,000
Rodney	Elgin	1,049	Sewers & Lagoon	260,000
St. Clair Beach	Essex	1,521	Sewers & Secondary	640,000
St. Marys	Perth	4,646	Sewers & Secondary	1,000,000
Sandwich E. Twp.	Essex	22,070	Sewers & Connection to Windsor	1,300,000
Sandwich S. Twp.	Essex	4,609	Sewers & Connection to Windsor	360,000
Sarnia Twp.	Lambton	8,453	Sewers & Connection to Sarnia	574,000
Schreiber	Thunder Bay	2,177	Sewers & Lagoon	315,000
Seneca Twp.	Haldimand	2,109	Sewers & Connection to Caledonia	260,000
South River	Parry Sound	985	Sewers & Lagoon	260,000
Stafford Twp.	Renfrew	3,356	Sewers & Connection to Pembroke	350,000
Stayner	Simcoe	1,746	Sewers & Lagoon	380,000
Tecumseh	Essex	4,458	Sewers & Secondary	700,000
Teeswater	Bruce	935	Sewers & Lagoon	270,000
Thamesville	Kent	981	Sewers & Lagoon	260,000
Thessalon	Algoma	1,707	Sewers & Lagoon	290,000
Tilbury	Kent	3,107	Sewers & Lagoon	50,000
Vankleek Hill	Prescott & Russell	1,708	Sewers & Lagoon	290,000
Victoria Harbour	Simcoe	1,032	Sewers & Lagoon	260,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Wainfleet Twp.	Welland	4,875	Sewers & Connection to Welland	\$ 384,000
Wallaceburg	Kent	7,998	Sewers & Secondary	2,434,000
Wasaga Beach	Simcoe	488	Sewers & Lagoon	200,000
Waterdown	Wentworth	1,937	Sewers & Secondary	570,000
Watford	Lambton	1,280	Sewers & Lagoon	272,000
Waubauskene	Simcoe	750	Sewers & Lagoon	249,000
Wheatley	Kent	1,403	Sewers & Lagoon	275,000
Willoughby Twp.	Welland	2,023	Sewers & Lagoon	300,000
Woodbridge	York	2,443	Sewers & Connection to Metro	500,000

POLICE VILLAGES

Baden	Waterloo	920	Sewers & Lagoon	260,000
Dublin	Perth	310	Sewers & Lagoon	160,000
Earlton	Temiskaming	690	Sewers & Lagoon	235,000
King City	York	1,773	Sewers & Secondary	400,000
Lambeth	Middlesex	2,407	Sewers & Lagoon	320,000
Maple	York	1,051	Sewers & Secondary	280,000
Orleans	Carleton	1,398	Sewers & Primary	250,000
Orono	Northumberland & Durham	845	Sewers & Lagoon	255,000
Rockwood	Wellington	823	Sewers & Secondary	258,000
St. George	Brant	716	Sewers & Lagoon	252,000
St. Jacobs	Waterloo	722	Sewers & Lagoon	247,000
Selkirk	Haldimand	208	Sewers & Lagoon	150,000
Sunderland	Ontario	593	Sewers & Lagoon	250,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Thamesford	Oxford	1,074	Sewers & Lagoon	\$ 270,000
Unionville	York	616	Sewers & Secondary	180,000
Verner	Nipissing	944	Sewers & Lagoon	258,000
Vineland	Lincoln	1,025	Sewers & Lagoon	265,000



TABLE V

MUNICIPALITIES WITH SEWERS AND NO TREATMENT

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Arnprior	Renfrew	5,632	Primary	\$ 350,000
Blind River	Algoma	3,796	Primary	300,000
Calvert Twp.	Cochrane	5,586	Lagoon	300,000
Campbellford	Northumberland and Durham	3,472	Secondary	270,000
Cobalt	Temiskaming	2,251	Lagoon	200,000
Cornwall	Stormont, Dundas and Glengarry	42,856	Primary	9,650,000
Dryden	Kenora	6,230	Primary	1,000,000
Dunnville	Haldimand	5,491	Secondary	550,000
Goderich	Huron	6,657	Secondary	545,000
Hawkesbury	Prescott & Russell	8,745	Primary	700,000
Iroquois Falls	Cochrane	1,694	Lagoon	100,000
Kenora	Kenora	10,996	Primary	475,000
Kingsville	Essex	3,459	Lagoon	385,000
Leamington	Essex	8,934	Primary	1,000,000
Matheson	Cochrane	914	Lagoon	100,000
Meaford	Grey	3,685	Secondary	400,000
Pembroke	Renfrew	16,223	Primary	785,000
Penetanguishene	Simcoe	5,007	Secondary	232,000
Petrolia	Lambton	3,744	Lagoon	250,000
Prescott	Leeds & Grenville	5,151	Primary	600,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Red Rock	Thunder Bay	1,861	Primary	\$ 200,000
Renfrew	Renfrew	8,485	Primary	450,000
Smooth Rock Falls	Cochrane	1,084	Lagoon	700,000
Southampton	Bruce	1,814	Lagoon	250,000
Sturgeon Falls	Nipissing	6,651	Lagoon	735,000
Sudbury	Sudbury	79,987	Primary	6,500,000
Sundridge	Parry Sound	796	Lagoon	150,000
Thornbury	Grey	1,139	Secondary	330,000
Thorold	Welland	8,679	Connection to St. Catharines	533,000
Thorold Twp.	Welland	7,055	Connection to St. Catharines	560,000
Walkerton	Bruce	4,069	Lagoon	300,000
Welland	Welland	36,712	Secondary	14,400,000
Windsor	Essex	112,049	Primary	26,600,000



TABLE VI

MUNICIPAL SEWAGE TREATMENT PLANTS THAT ARE OVERLOADED OR INEFFICIENT

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Acton	Halton	4,354	Secondary Extension	\$ 300,000
Alliston	Simcoe	3,057	Secondary Extension	165,000
Arthur	Wellington	1,238	Sewer & Lagoon Extensions	200,000
Atikokan Twp.	Rainy River	5,829	Primary	400,000
Aurora	York	9,518	Secondary Extension	350,000
Bala	Muskoka	494	Lagoon	100,000
Beamsville	Lincoln	3,290	Secondary Extension	200,000
Black River Twp.	Cochrane	3,285	Lagoon	60,000
Bolton	Peel	2,152	Secondary Extension	200,000
Brampton	Peel	26,191	Secondary Extension	1,500,000
Capreol	Sudbury	3,006	Lagoon	480,000
Cardinal	Leeds & Grenville	1,990	Lagoon	150,000
Carleton Place	Lanark	4,771	Secondary	400,000
Clinton	Huron	3,552	Secondary Extension	200,000
Cobourg	Northumberland and Durham	9,917	Secondary Extension	850,000
Cochrane	Cochrane	4,617	Secondary	330,000
Collingwood	Simcoe	8,362	Primary Extension	350,000
Crystal Beach	Welland	1,812	Secondary	250,000
Cumberland Twp.	Prescott & Russell	5,825	Primary	200,000
Elmvale	Simcoe	976	Sewer & Lagoon Extensions	170,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Englehart	Temiskaming	1,790	Lagoon	\$ 87,000
Gravenhurst	Muskoka	3,202	Secondary Extension	325,000
Grimsby	Lincoln	5,719	Secondary	250,000
Haileybury	Temiskaming	2,842	Secondary	350,000
Hamilton	Wentworth	271,300	Add Secondary	10,000,000
Hearst	Cochrane	2,587	Lagoon	200,000
Hespeler	Waterloo	4,785	Secondary	861,000
Huntsville	Muskoka	3,072	Sewers and Secondary Extension	300,000
Kapuskasing	Cochrane	11,887	Primary Extension & Lagoon	2,132,000
Kemptville	Leeds & Grenville	2,064	Add Secondary	100,000
Kingston	Frontenac	50,011	Add Secondary	1,500,000
Levack	Sudbury	3,018	Primary	300,000
Listowel	Perth	4,220	Lagoon Extension	100,000
Lively	Sudbury	3,244	Secondary	400,000
Madoc	Hastings	1,491	Secondary	90,000
Milton	Halton	5,868	Secondary Extension	280,000
Mitchell	Perth	2,294	Sewer & Lagoon Extensions	120,000
Morrisburg	Stormont, Dundas and Glengarry	1,945	Primary Extension	150,000
Napanee	Lennox & Addington	4,404	Add Secondary	450,000
Nepean Twp.	Carleton	30,321	Secondary Extension	800,000
Niagara Twp.	Lincoln	8,583	Secondary	650,000
Orangeville	Dufferin	4,934	Secondary Extension	250,000
Oshawa	Ontario	65,464	Improvements to S.T.P.	100,000
Palmerston	Wellington	1,580	Secondary Extension	150,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Port Elgin	Bruce	1,921	Add Secondary	\$ 150,000
Rainy River	Rainy River	1,133	Primary	250,000
Richmond Hill	York	18,606	Secondary Extension	700,000
St. Catharines	Lincoln	85,732	Primary	6,000,000
St. Thomas	Elgin	22,456	Secondary Extension	900,000
Sandwich W. Twp.	Essex	30,149	Secondary	2,500,000
Seaforth	Huron	2,332	Lagoon	447,000
Sioux Lookout	Kenora	2,665	Improvements to S.T.P.	100,000
Smiths Falls	Lanark	9,655	Primary Extension	365,000
Stirling	Hastings	1,344	Sewer & Lagoon Extensions	50,000
Stoney Creek	Wentworth	6,726	Connection to Hamilton	250,000
Sutton	York	1,413	Sewer & Lagoon Extensions	92,000
Tavistock	Oxford	1,190	Sewer & Lagoon Extensions	130,000
Teck Twp.	Temiskaming	17,582	Primary	900,000
Tisdale Twp.	Cochrane	8,569	Lagoon	250,000
Tottenham	Simcoe	797	Lagoon	100,000
Trenton	Hastings	13,823	Add Secondary	930,000
Tweed	Hastings	1,752	Secondary	200,000
Waterford	Norfolk	2,361	Sewer & Lagoon Extensions	150,000
Waterloo	Waterloo	23,401	Secondary Extension	1,000,000
Whitney Twp.	Cochrane	1,828	Lagoon	250,000
Woodstock	Oxford	21,677	Secondary Extension	1,100,000



POLICE VILLAGES

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Corunna	Lambton	1,855	Sewers and Secondary Extension	\$ 200,000
Smithville	Lincoln	902	Sewer & Lagoon Extensions	60,000



TABLE VII

MUNICIPALITIES WHERE FINANCIAL LIMITATIONS  
RESTRICT THE DEVELOPMENT OF SEWAGE WORKS

<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Arthur	Wellington	1,238	Sewer & Lagoon Extensions	\$ 200,000
Blenheim	Kent	3,331	Sewers & Lagoon	450,000
Brighton	Northumberland & Durham	2,686	Sewer & Lagoon Extensions	460,000
Cornwall	Stormont, Dundas and Glengarry	42,856	Primary	9,650,000
Deseronto	Hastings	1,775	Sewers & Lagoon	300,000
Dresden	Kent	2,304	Sewers & Lagoon	335,000
Dunnville	Haldimand	5,491	Secondary	550,000
Elmvale	Simcoe	976	Sewer & Lagoon Extensions	170,000
Essex	Essex	3,494	Sewers & Lagoon	267,000
Grimsby	Lincoln	5,719	Secondary	250,000
Grimsby N. Twp.	Lincoln	6,212	Sewers & Secondary	900,000
Goderich	Huron	6,657	Primary	545,000
Harriston	Wellington	1,655	Lagoon	140,000
Huntsville	Muskoka	3,072	Sewers and Secondary Extensions	300,000
Kingsville	Essex	3,459	Lagoon	385,000
Lakefield	Peterborough	2,200	Sewers & Lagoon	440,000
Levack	Sudbury	3,018	Primary	300,000
Lively	Sudbury	3,244	Secondary	400,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Little Current	Manitoulin	1,554	Extension of Sewers and Lagoon	\$ 328,000
L'Orignal	Prescott & Russell	1,289	Sewers & Lagoon	283,000
Meaford	Grey	3,685	Secondary	400,000
Merrickville	Leeds & Grenville	890	Sewers & Lagoon	200,000
Milverton	Perth	1,122	Sewers & Lagoon	260,000
Mitchell	Perth	2,294	Sewer & Lagoon Extensions	120,000
Norwich	Oxford	1,662	Sewers & Lagoon	430,000
Orangeville	Dufferin	4,934	Secondary	250,000
Pakenham Twp.	Lanark	1,163	Sewers & Lagoon	200,000
Penetanguishene	Simcoe	5,007	Secondary	232,000
Pickering Village	Ontario	1,816	Sewers & Secondary	580,000
Port Perry	Ontario	2,353	Sewers & Lagoon	335,000
Prescott	Leeds & Grenville	5,151	Primary	600,000
Rockland	Prescott & Russell	3,470	Sewers & Lagoon	226,000
St. Catharines	Lincoln	85,732	Primary	6,000,000
St. Marys	Perth	4,646	Sewers & Secondary	1,000,000
Seaforth	Huron	2,332	Lagoon	447,000
Smithville	Lincoln	902	Sewer & Lagoon Extensions	60,000
Stirling	Hastings	1,344	Sewer & Lagoon Extensions	50,000
Sudbury	Sudbury	79,987	Primary	6,500,000
Sutton	York	1,413	Sewer & Lagoon Extensions	92,000
Tavistock	Oxford	1,190	Sewer & Lagoon Extensions	130,000



<u>Municipality</u>	<u>County</u>	<u>Population</u>	<u>Works Required</u>	<u>Estimated Cost</u>
Thessalon	Algoma	1,707	Sewers & Lagoon	\$ 290,000
Trenton	Hastings	13,823	Add Secondary	930,000
Vankleek Hill	Prescott & Russell	1,708	Sewers & Lagoon	290,000
Waterdown	Wentworth	1,937	Sewers & Secondary	570,000
Waterford	Norfolk	2,361	Sewer & Lagoon Extensions	150,000
Watford	Lambton	1,280	Sewers & Lagoon	272,000
Welland	Welland	36,712	Secondary	14,400,000
Woodbridge	York	2,443	Sewers & Connection to Metro	500,000



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DIV. SANITARY ENGINEERING  
A tabulation of the water  
and sewage requirements in  
the Province of Ontario.

ARRW

DATE	ISSUED TO
26-3-65	P. J. Peters
19-7-65	G. Owen

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Ontario Water Resources Co  
A tabulation of the  
water and sewage arrw  
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